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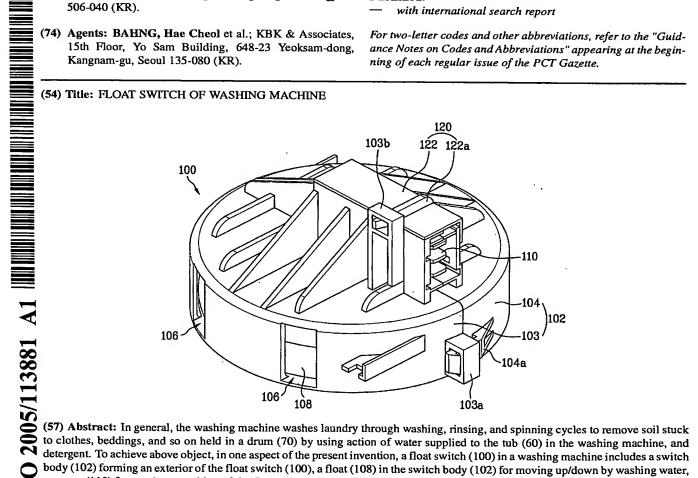
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- (71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LEE, Woon Yong [KR/KR]; 7-3 Sochon-dong, Gwangsan-gu, Gwangju-si 506-040 (KR).

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detergent. To achieve above object, in one aspect of the present invention, a float switch (100) in a washing machine includes a switch body (102) forming an exterior of the float switch (100), a float (108) in the switch body (102) for moving up/down by washing water, a sensor (110) for sensing a position of the float (108), and a water protector (120) for preventing the washing water from infiltrating to the sensor (110). The water protector (120) is a "¬" shape bracket over an upper surface of the switch body (102).